

Hydrologic Model Manager

Short Name	SIMHYD
Long Name	
Description	
Model Type	Simple conceptual daily rainfall-runoff model
Model Objectives	To estimate runoff from rainfall and PET data
Agency Office	Center for Environmental Applied Hydrology, University of Melbourne
Tech Contact	Dr. Francis Chiew Dept. of Civil and Environmental Engineering University of Melbourne Portville VIC 3052
Model Structure	Conceptual, Mimics hydrological process. Only use algorithms that can describe processes adequately in terms of physical significance.
Interception	
Groundwater	
Snowmelt	
Precipitation	
Evapo-transpiration	
Infiltration	
Model Paramters	7
Spatial Scale	Lumped model, can apply to catchments up to 5000 km2
Temporal Scale	Daily
Input Requirements	Daily rainfall and PET
Computer Requirements	"Any"
Model Output	Runoff and summary of runoff components and other hydrological fluxes
Parameter Estimatr Model Calibrtn	Model is linked to pattern search optimization routine
Model Testing Verification	Extensive testing and application (see paper) – in cross-verification mode
Model Sensitivity	
Model Reliabiity	Can estimate runoff satisfactory
Model Application	Extensive testing and application (see paper)
Documentation	Fortran
Other Comments	
Date of Submission	5/8/2001 12:47:54 PM
Developer	
Technical Contact	
Contact Organization	